

# Fish and Wildlife Reference Service Newsletter

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## ***Trapping and Furbearer Management in North American Wildlife Conservation***

***Trapping and Furbearer Management in North American Wildlife Conservation*** is now available from the Fish and Wildlife Reference Service. This booklet is an expanded and updated edition of the original 1996 version that provided perspectives on furbearer and trapping issues in the Northeast. The Northeast Furbearer Resources Technical Committee developed this new booklet in cooperation with the International Association of Fish and Wildlife Agencies through the Multi-State Grant Program.

This edition provides those interested in the conservation of wildlife and natural resources with detailed information about issues related to furbearer management and regulated trapping, including guiding principles of furbearer management and furbearer management options. Among the specific topics addressed are issues and concerns regarding habitat loss, human population growth, animal rights and welfare, disease control, trap research and development, and rare and endangered species.

Regarded as a natural resource, native wildlife populations are our nation's biological wealth and "must be sustained and managed for the benefit of present and future generations" (Page 9). Modern trapping and furbearer management align tradition and science, and contribute to thriving furbearer populations. Only abundant species may be trapped. Scientific wildlife management provides a basis for regulations that govern trapping for the benefits it provides. Proactive management helps balance wildlife populations and available habitat, and reduces the opportunity for negative animal-human interactions.

The current development of "***Trapping Best Management Practices***" in the United States is highlighted in this edition to demonstrate the efforts being made to employ scientific study to identify the best traps for animal welfare. A companion study underway in Canada is looking at trap efficiency, humaneness and safety.

This new edition of ***Trapping and Furbearer Management in North American Wildlife Conservation*** communicates relevant issues and developments in management and conservation practices with the intent that they will be included in regulated trapping programs and trapper education programs.

As conservation and management techniques continue to evolve and new issues arise, it is anticipated that this booklet will be used with other tools for effective communication and education programs related to trapping in North America.

***Trapping and Furbearer Management in North American Wildlife Conservation*** is listed in this newsletter (#7). Multiple copies may be ordered from Mr. Tom Decker, Vermont Fish and Wildlife Department (ph: 802-241-3700).

## NEW REPORTS

### MAMMALS



1. **Habitat-relative Abundance Relationship for Bobcats in Southern Illinois.** Nielsen, C.K.; Woolf, A. Wildl. Soc. Bull. 2002. pp. 222-230 (9 pp.). Vol. 30, No. 1. /1 mf/. MIN 120220228

2. **Review of Big-Game Survey Methods Used by Wildlife Agencies of the Western United States.** Rabe, M.J.; Rosenstock, S.S.; deVos, J.C. Wildl. Soc. Bull. 2002. pp. 46-52 (7 pp.). Vol. 30, No. 1. /1 mf/. MIN 800220229

3. **Wolf Depredation on Domestic Animals in Wisconsin, 1976-2000.** Treves, A. et al. Wildl. Soc. Bull. 2002. pp. 231-241 (11 pp.). Vol. 30, No. 1. /1 mf/. MIN 480220230

4. **The Eastern Cougar: A Management Failure?** Cardoza, J.E.; Langlois, S.A. Wildl. Soc. Bull. 2002. pp. 265-273 (9 pp.). Vol. 30, No. 1. /1 mf/. MIN 800220231

5. **Population Dynamics of Tule Elk at Point Reyes National Seashore, California.** Howell, J.A. et al. J. of Wildl. Manage. 2002. pp. 478-490 (13 pp.). Vol. 66, No. 2. /1 mf/. MIN 040220232

6. **Proximate Factors Affecting Male Elk Hunting Mortality in Northern Idaho.** Hayes, S.G.; Leptich, D.J.; Zager, P. J. of Wildl. Manage. 2002. pp. 491-499 (9 pp.). Vol. 66, No. 2. /1 mf/. MIN 110220233

7. **Trapping and Furbearer Management in North American Wildlife Conservation.** Northeast Furbearer Resources Technical Committee. 2001. 44 pp. /1 mf/. MIN 800280075

8. **Population Distribution of Swift Fox in Northwestern Oklahoma Using a Track Search Survey.** Hoagland, J.W. OK Dept. Wildl. Conserv. Final Report. 2001. 17 pp. /1 mf/. MIN 350280076

9. **Utah Cougar Harvest Report, 1999-2000.** Maxfield, B.D. UT DNR. Annual Perform. Report. Pub. No. 02-08. 2002. 42 pp. /1 mf/. MIN 430280077

10. **A Study of Black Bear Ecology in New Mexico with Models for Population Dynamics and Habitat Suitability.** Costello, C.M. et al. NM Dept. Game and Fish. 2001. 220 pp. /3 mf/. MIN 300280078

11. **A Determination of the Status of the Black Bear in Southwest Alabama.** Edwards, A.S.; Clark, J.D. AL Div. of Wildl. and Freshwater Fisher. Final Report. 2002. 52 pp. /1 mf/. MIN 010230015

12. **Incidence of Meningeal Worm, Chronic Wasting Disease, and Bovine Tuberculosis in Deer and Elk Populations in South Dakota.** Jacques, C.N. M.S. Thesis. SD State Univ. 2001. 140 pp. /2 mf/. MIN 400230016

13. **Factors Related to a "Quality" Deer Hunting Experience in the Black Hills of South Dakota.** Backman, P.A. M.S. Thesis. SD State Univ. 2001. 184 pp. /2 mf/. MIN 400230017

### FISHES



14. **Tracking Trophic Interactions in Coldwater Reservoirs Using Naturally Occurring Stable Isotopes.** Johnson, B.M.; Martinez, P.J.; Stockwell, J.D. Trans. Am. Fish. Soc. 2002. pp. 1-13 (13 pp.). Vol. 131. /1 mf/. MIN 050210134

15. **Differences in Diet of Atlantic Bluefin Tuna (*Thunnus thynnus*) at Five Seasonal Feeding Grounds on the New England Continental Shelf.** Chase, B.C. Fish. Bull. 2002. pp. 168-180 (13 pp.). Vol. 100. /1 mf/. MIN 200210135

16. **Nebraska and South Dakota 2000 Missouri River Recreational Use Survey. Supplement II: Fort Randall Tailwater to Big Sioux River.** Mestl, G. et al. NE Game and Parks Comm. & SD Game, Fish and Parks Dept. Compl. Report. 2001. 138 pp. /2 mf/. MIN 800240056

17. **Evaluating the Contribution of Stocked Walleye Fry and Fingerlings to South Dakota Fisheries through Mass Markings with Oxytetracycline.** Lucchesi, D.O.; Scubelek, S. SD Dept. Game, Fish and Parks. Compl. Report No. 01-11. 2001. 38 pp. /1 mf/. MIN 400240057

18. **Stream Fisheries Investigation: Evaluation of Fingerling Walleye Stockings among Interior Iowa Rivers.** IA DNR. Compl. Report. 2001. 64 pp. /1 mf/. MIN 140240058

19. **Natural Lakes Investigations: The Relationship of Catch-per-Unit-Effort Data to Estimated Density of YOY and Yearling Walleyes in Spirit, East Okoboji, Clear and Storm Lakes, and an Evaluation of the Use of Trend Data for Managing Natural Lakes in Northwest Iowa.** Larscheid, J.G. et al. IA DNR. Compl. Report. 2001. 30 pp. /1 mf/. MIN 140240059

20. **Natural Lakes investigations: The Production and Consumption Dynamics of Major Fish Species, and the Estimated Carrying Capacity of Major Fish Piscivores in Spirit Lake, Iowa.** Larscheid, J.G. et al. IA DNR. Compl. Report. 2001. 36 pp. /1 mf/. MIN 140240060

21. **Evaluation of a 381 mm (15-Inch) Walleye Minimum Length Limit at C.J. Brown Reservoir.** Walters, D.A. OH DNR. Final Report. 2002. 30 pp. /1 mf/. MIN 340240061

**22. Fisheries Investigations: Bear Lake Cutthroat Trout Enhancement Program, January 1995 - December 1999.** Nielson, B.R.; Tolentino, S.A. UT DNR Pub. No. 02-09. 2002. 58 pp. /1 mf/. MIN 430240062

**23. Investigation of Management Techniques for Public Waters: Effects of Gizzard Shad on Largemouth Bass-Bluegill Communities in a State Fishing Lake and Small Ponds.** DeVries, D.R.; Irwin, B.J. AL Dept. Conserv. and Nat. Res. Final Report. 2002. 116 pp. /2 mf/. MIN 010250009

**24. Crappie Stock Assessment and Reproductive Analysis in Alabama Reservoirs.** Maceina, M.J. et al. AL Dept. Conserv. and Nat. Res. Final Report. 2002. 210 pp. /3 mf/. MIN 010250010

**25. Species Interactions among Young-of-Year Fishes of Lake Erie.** Ludsins, S.A.; Stein, R.A. OH DNR. Final Report. 2001. 318 pp. /4 mf/. MIN 340250011

**26. Walleye Production Dynamics in Mid-Elevation Reservoirs in Utah, 1996-2000.** Luecke, C.; Chase, P.; Ryals, K. UT Div. Wildl. Res. 2001. 134 pp. /2 mf/. MIN 430250012

**27. Structure and Dynamics of Largemouth Bass Populations in Eastern South Dakota Glacial Lakes and Large Impoundments.** McKibbin, W.L. M.S. Thesis. SD State Univ. 2002. 84 pp. /1 mf/. MIN 400250013

## BIRDS



**28. Repeated Human Intrusion and the Potential for Nest Predation by Gray Jays.** Gutzwiller, K.J. et al. J. of Wildl. Manage. 2002. pp. 372-380 (9 pp.). Vol. 66, No. 2. /1 mf/. MIN 490220224

**29. Natal Dispersal in Florida Sandhill Cranes.** Nesbitt, S.A. et al. J. of Wildl. Manage. 2002. pp. 349-352 (4 pp.). Vol. 66, No. 2. /1 mf/. MIN 090220225

**30. Population Viability of Piping Plovers: Effects of Predator Exclusion.** Larson, M.A. et al. J. of Wildl. Manage. 2002. pp. 361-371 (11 pp.). Vol. 66, No. 2. /1 mf/. MIN 800220226

**31. Northern Bobwhite and Scaled Quail Abundance and Hunting Regulation: A Texas Example.** Peterson, M.J. J. of Wildl. Manage. 2001. pp. 828-837 (10 pp.). Vol. 65, No. 4. /1 mf/. MIN 420220227

**32. Nebraska's Least Terns and Piping Plovers 1987-1999: Final Report.** Kirsch, E.M. USGS. 2001. 24 pp. /1 mf/. MIN 260280072

**33. A Comprehensive Review of Observational and Site Evaluation Data of Migrant Whooping Cranes in the United States, 1943-1999.** Austin, J.E.; Richert, A.L.

NE Game and Parks Comm. 2001. 188 pp. /2 mf/. MIN 260230010

**34. Movements and Productivity of Lesser Prairie-Chickens in Southwestern Kansas.** Jamison, B.E.; Robel, R.J. Final Report. M.S. Thesis (B.E. Jamison). KS State Univ. 2000. 210 pp. /3 mf/. MIN 150230011

**35. Ring-Necked Pheasant and Passerine Abundance in Conservation Reserve Program Grasslands of Differing Age-Classes and Cover Types in Eastern South Dakota, 1998-2000.** Eggebo, S.L. M.S. Thesis. SD State Univ. 2001. 96 pp. /1 mf/. MIN 400230012

## HUMAN DIMENSIONS



**36. Landscape Fragmentation and Grassland Patch Size Effects on Non-Game Grassland Birds in Xeric Mixed-Grass Prairies of Western South Dakota.** DeJong, J.R. M.S. Thesis. SD State Univ. 2001. 124 pp. /2 mf/. MIN 400230013

**37. Migrant Shorebird, Breeding Waterfowl, and Invertebrate Response to Conditions in Temporary Wetlands in East Central South Dakota during Spring.** Knapp, N.F. M.S. Thesis. SD State Univ. 2001. 220 pp. /3 mf/. MIN 400230014

**38. America's Wildlife: The Challenge Ahead.** Paige, L.C. IAFWA. 2000. 56 pp. /1 mf/. MIN 800280079

**39. Step Outside: Guide to Getting it Done.** DiCamillo, J.; Brassard, B. (Eds.) National Shooting Sports Foundation. 2002. 54 pp. /1 mf/. MIN 800280080

**40. Conservation Information and Education: A Model Program.** NE Conserv. Information and Education Assoc. 2002. 26 pp. /1 mf/. MIN 800280081

**41. 2001 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation: State Overview. Preliminary Findings.** USFWS. 2002. 28 pp. /1 mf/. MIN 800280082

**42. 2001 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation: National Overview.** USFWS. 2002. 22 pp. /1 mf/. MIN 800280083

**43. Hunters', Sport Shooters', Archers', and Anglers' Attitudes Toward Messages Encouraging Them to Recruit Others into Their Sport.** Responsive Management. National Shooting Sports Foundation. 2002. 220 pp. /3 mf/. MIN 800280084

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# BULLETIN BOARD



## STEP OUTSIDE

Studies have shown that 48 million men and women would accept an invitation to go target shooting -- and interest in other traditional outdoor sports is just as high. Experienced target shooters, archers, hunters and anglers are asking individuals to STEP OUTSIDE, and clubs, state fish and wildlife agencies and conservation organizations are holding STEP OUTSIDE events for large groups of people. To help understand why it is important to STEP OUTSIDE, **there is now available a video (VHS or CD)**, providing advice on who you can invite and what type of activities you can introduce to your guest. The video can show you how others have made STEP OUTSIDE a success. **Also available is a CD of Public Service Announcements for Radio. For information on obtaining these materials, contact: Colleen Swain, STEP OUTSIDE, 11 Mile Hill Road, Newton, CT 06470; Phone: (203) 426-1320; FAX: (203) 426-1087; Website: [www.stepoutside.org](http://www.stepoutside.org).**

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**56th Annual Southeastern Association of Fish and Wildlife Agencies Conference**, to be held at the Hunt Valley Marriot in Baltimore, Maryland, 26-30 October 2002. Conference theme: ***"From the Chesapeake Bay to the Gulf -- Keeping it Wild: Managing Our Resources in the Face of Increasing Development"***. For information about the conference, contact: **George Sackett (Chairman), Fisheries Service, MD Dept. of Natural Resources, 580 Taylor Ave., B-2, Annapolis, MD 21401; Phone: (410) 260-8253, FAX: (410) 260-8279, E-mail: [gsackett@dnr.state.md.us](mailto:gsackett@dnr.state.md.us)**

(continued from page 3)

**44. Public Attitudes Toward Wildlife and Its Accessibility: Public Desires for a Comprehensive Management Program in New York.** Enck, J.W.; Brown, T.L. Cornell Univ., Human Dimens. Res. Unit. HDRU Series No. 01-13, "Public Attitudes About Fish and Wildlife Programs in New York State: Desired Programs and Acceptable Characteristics of Funding Mechanisms". 2001. 124 pp. /2 mf/. MIN 310280085

**45. Capacity Building for Co-Management of Wildlife in North America.** Raik, D.B. Cornell Univ., Human Dimens. Res. Unit. HDRU Series No. 02-2. 2002. 30 pp. /1 mf/. MIN 800280086

**46. Economic Impacts of Declines in the Sport Fisheries of Eastern Lake Ontario.** Brown, T.L.; Connelly, N.A. Cornell Univ., Human Dimens. Res. Unit. HDRU Series No. 02-01. 2002. 44 pp. /1 mf/. MIN 310280087

**47. Utah Stakeholders' Attitudes Toward Selected Cougar and Black Bear Management Practices.** Teel, T.L. et al. Wildl. Soc. Bull. 2002. pp. 2-15 (14 pp.). Vol. 30, No. 1. /1 mf/. MIN 430220235

**48. Interactions between Deer Damage, Deer Density, and Stakeholder Attitudes in Virginia.** West, B.C.; Parkhurst, J.A. Wildl. Soc. Bull. 2002. pp. 139-147 (9 pp.). Vol. 30, No. 1. /1 mf/. MIN 450220236

## GENERAL



**49. Abstracts from "Coastal Marsh Dieback in the Northern Gulf of Mexico: Extent, Causes, Consequences, and Remedies".** Stewart, R.E.; et al. USGS. Inform. and Tech. Report USGS/BRD/ITR-2001-0003. 2001. 42 pp. /1 mf/. MIN 800280073

**50. Toxicity and Bioavailability of Metals in the Missouri River Adjacent to a Lead Refinery.** Chapman, D.C. et al. USGS. Biol. Sci. Report USGS/BRD/BSR-2001-0004. 2001. 36 pp. /1 mf/. MIN 800280074

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